

ABSTRACT OF THE DISCLOSURE

HIGH FIELD ION MOBILITY METHOD AND APPARATUS FOR DETECTION OF BIOMARKERS

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Wide-spectrum High Field Ion Mobility Spectrometer method and apparatus for chemical and biological sensing applications from industrial to biomedical, used as a stand-alone sensor or as a gas chromatographic detector, including for detection of chemicals that are difficult to distinguish such as xylene isomers, and detection of

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biomarkers for biothreats, for food quality and for breath analysis.